

DDESB-IK

December 9, 1999

MEMORANDUM FOR ARMY BOARD MEMBER, COLONEL J. C. KING, USA  
NAVY BOARD MEMBER, CAPTAIN MIKE HERB  
AIR FORCE BOARD MEMBER, MR. PAUL PRICE  
MARINE CORPS BOARD MEMBER, MR. JERRY MAZZA

SUBJECT: 318<sup>th</sup> Board Meeting

The Department of Defense Explosives Safety Board held its 318<sup>th</sup> meeting on 9 December 1999 and approved the limited use of risk-based explosives safety siting of explosives facilities for calendar years 2000 through 2002 with the following guidance:

“On a case-by-case basis as determined by the Service, a risk-based explosives safety analysis that supports an explosives facility siting may be submitted to the DDESB Secretariat for review and approval under the following guidelines:

- There is a current quantity-distance (Q-D) waiver or exemption in place or one would be required (and justified) to approve the facility.
- The Safety Assessment for Explosives Risk (SAFER) model and acceptance criteria (attached) are used.
- The results of the SAFER analysis meet the criteria.

The Board also encourages the Services to use SAFER as a risk management tool to evaluate waivers and exemptions to support their approval.”

The Board directed that the Services provide an annual status report on the implementation of this program.

The Board re-confirmed the date for the next formal meeting (319<sup>th</sup>) to be 26-27 January 2000.

/Signed by/  
DANIEL T. TOMPKINS  
Colonel, USAF  
Chairman

/Signed by/  
JAMES C. KING  
Colonel, USA  
Army Member

/Signed by/  
MIKE HERB  
Captain, USN  
Navy Member

/Signed by/  
PAUL PRICE  
Air Force Member

/Signed by/  
JERRY MAZZA  
Marine Corps Member

Attachment  
As stated  
cc:

Alternate Army Board Member, Mr. Gary Abrisz  
Alternate Navy Board member, Mr. Richard Eldridge  
Alternate Air Force Board Member, Colonel Randell Strauss  
Alternate Marine Corps Board Member, Colonel. Lief Larson  
JCS (J-4-SMPED)  
DCMC (DCMC-OI)  
TRANSCOM (TC-J4-LT1)  
USATCES/SIOAC-ES (Mr. Johnnie Cook)  
NOC/N711 (Mr. Richard T. Adams)

## Acceptance Criteria

Risk to:	DDESB Criteria	Service Guidance
Any 1 worker (Annual $P_f$ )	<ul style="list-style-type: none"> <li>Risks below <math>1 \times 10^{-4}</math> are acceptable</li> </ul>	
All workers (Annual $E_f$ )	<ul style="list-style-type: none"> <li>Risks below <math>1 \times 10^{-3}</math> are acceptable</li> </ul>	<ul style="list-style-type: none"> <li>If risks are above <math>1 \times 10^{-3}</math> apply ALARP principle*</li> <li>Accept above <math>1 \times 10^{-2}</math> with significant national need only*</li> </ul>
Any 1 person (Annual $P_f$ )	<ul style="list-style-type: none"> <li>Risks below <math>1 \times 10^{-6}</math> are acceptable</li> </ul>	
All public (Annual $E_f$ )	<ul style="list-style-type: none"> <li>Risks below <math>1 \times 10^{-5}</math> are acceptable</li> </ul>	<ul style="list-style-type: none"> <li>If risks are above <math>1 \times 10^{-5}</math> apply ALARP principle*</li> <li>Accept above <math>1 \times 10^{-3}</math> with significant national need only*</li> </ul>

ALARP is the safety principle whereby risks are lowered "as low as reasonably practicable."

Worker criteria are intended to apply to people that are associated with the explosives activity.

Public criteria are intended to apply to 1) government employees working on the installation but not related to the explosives activity and 2) the general public.

\* For Service's waivers and exemptions